

**DIVISION OF ENVIRONMENTAL HEALTH
SOLID WASTE PROGRAM
610 UNIVERSITY AVENUE
FAIRBANKS, AK 99709-3643**
<http://www.state.ak.us/dec/home/htm>

Telephone: (907) 451-2108

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File Number: 230.15.002

September 20, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED #

Ms. Kristie Young, Council Administrator
Tetlin Native Council
P.O. Box TTL
Tetlin, AK 99779

Re: Tetlin Landfill -- Solid Waste Permit #0233-BA003

Dear Ms. Young:

The Department of Environmental Conservation has completed its evaluation of your application for a solid waste disposal permit for the operation and maintenance of a Class III municipal solid waste landfill for the village of Tetlin. The landfill will be located in Section 26, Township 16 North, Range 15 East, Copper River Meridian, Alaska. The selected site is considered to have a high potential for containing unreported cultural resources. As such, an archaeological survey of the site must be conducted before construction of the landfill begins. The Department is issuing the enclosed permit in accordance with AS 46, 18 AAC 15, and 18 AAC 60. Please review the conditions and stipulations in the permit and ensure they are all understood. This permit is effective upon issuance and expires **August 15, 2007**.

Any person who disagrees with this decision may appeal the decision by requesting an adjudicatory hearing, using the procedures contained in 18 AAC 15.200-310. Hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 555 Cordova Street, Anchorage AK 99501, within 30 days of receipt of this letter. If a hearing is not requested within 30 days, the right to appeal is waived. Even if an adjudicatory hearing has been requested and granted, all permit conditions remain in full force and effect. Please also send a copy of the request to the undersigned.

Sincerely,

Heather T. Stockard
Solid Waste Program Manager

DB/ds: G:\EH\SW\2002\0233-BA003 Tetlin.doc

Cc: Devon Currier, ANTHC, Fairbanks
Steve Schwicht, NANA/Dowl Engineers, Anchorage

Enclosure: Permit 0233-BA003

**ALASKA DEPARTMENT
OF
ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL HEALTH
610 UNIVERSITY AVENUE
FAIRBANKS, ALASKA 99709-3643**

SOLID WASTE DISPOSAL PERMIT

Permit: **0233-BA003**

TETLIN LANDFILL

Date: **September 20, 2002**

This Solid Waste Disposal Permit is issued to the

NATIVE VILLAGE OF TETLIN

to operate and maintain a Class III Municipal Solid Waste Landfill for the following wastes:

- ✍ household and commercial solid waste,
- ✍ inert waste,
- ✍ sludge from wastewater treatment process,
- ✍ construction and demolition debris,
- ✍ animal carcasses, and
- ✍ ash from burn barrels, burn cage, or similar burning device.

Disposal of any other types of waste requires a modification of this permit.

Location: This permit is for a tract of land about 500 feet northeast of Tetlin, Alaska, and located in Section 26, Township 16 North, Range 15 East, Copper River Meridian, Alaska.

Authority: The Department is issuing this permit in accordance with AS 46, 18 AAC 15, and 18 AAC 60 as amended or revised and other applicable state laws and regulations.

Conditions and Stipulations : Tetlin Native Village is subject to the conditions and stipulations described within this permit and within Appendices A through F. Anyone placing waste at this site must get permission of Tetlin Native Village first and they may be required to pay them dumping fees. Tetlin Native Village, as landowner and site manager, may refuse any waste at this site at any time.

Term: This permit is effective once signed by ADEC and the Tetlin Village Council, and expires **August 15, 2007**. It may be modified, terminated, or renewed in accordance with AS 46.03.120.

Heather Stockard
Solid Waste Program Manager
Alaska Department of Environmental Conservation

Date: _____

Donald Adams, President
Tetlin Village Council

Date: _____

APPENDIX A - SPECIFIC PERMIT CONDITIONS

I. SITE LOCATION AND DEVELOPMENT

- A. Tetlin Village Council shall follow the designs and plans in the Native Village of Tetlin application dated May 16, 2002, which include the following improvements:
- ✍ A fence and gate around the entire site
 - ✍ Grading and drainage structures that allows water to drain away from the site and waste
 - ✍ A burn box, burn cage or other improvements that allow controlled burning of waste
 - ✍ Easy-to read signs that provide information on the following:
 - ✍ Identifies Tetlin Village Council as the manager of this site and tells how to contact them
 - ✍ Describe waste that is not accepted at this site (prohibited wastes)
 - ✍ Describe rules for the site including where to dump, where to salvage, and any important burning rules or other rules that may be new to the community or visitors.
- B. Due to the high potential for unreported cultural resources in and around the new landfill location, an archaeological survey of the new landfill site must be completed before any work begins on construction of the new landfill.
- C. Tetlin Village Council shall follow the conditions described in this permit. The Council may request changes to these permit conditions, but they must be requested in writing by the Council and approved in writing by ADEC.
- D. This permit is not valid for any solid waste disposal that closer than:
- ✍ 4 feet from the seasonal high groundwater level;
 - ✍ 50 feet from the property line; or
 - ✍ 200 feet from any drinking water source, unless local law requires a greater distance.

II. ACCEPTABLE AND PROHIBITED WASTES

- A. Waste that can be accepted in this landfill include:
- ✍ Household and commercial solid waste;
 - ✍ Burned ash from household solid waste;
 - ✍ Inert waste such as scrap metal, drained vehicles, appliances and construction/demolition debris;
 - ✍ Animal carcasses or parts;
 - ✍ Sewage sludge from a wastewater lagoon.
- B. Waste that are prohibited (forbidden) in this landfill include:
- ✍ Hazardous wastes such as acids, corrosives, solvents, used oil, oily wastes, paints, lead-acid batteries or explosives;
 - ✍ PCB wastes;
 - ✍ Radioactive wastes;
 - ✍ Infectious medical wastes;
 - ✍ Contaminated soil;
 - ✍ Materials containing asbestos; and

- ✍ Bulk liquids greater than one gallon

Tetlin Native Council should inform the public on how to take care of these materials and may call DEC for advice if needed.

III. SEPARATING AND BURNING WASTE

A. Burnable waste. The following wastes may be burned at the landfill:

- ✍ Household trash and food waste;
- ✍ Cardboard;
- ✍ Clean wood and brush, and
- ✍ Paper.

B. Unacceptable wastes for burning. The following wastes may not be burned:

- ✍ Anything explosive such as aerosol cans, liquid fuels, pressurized gas cylinders, and old ammunition;
- ✍ Anything containing toxic metals including batteries;
- ✍ Anything that causes toxic black smoke or smoldering such as tires, used oil, large animal carcasses, large or heavy plastics, urethane foam insulation, sheetrock, rubber and tar products, cleaners, paints, solvents or other chemicals; and
- ✍ Any materials that contain asbestos, such as some types of old linoleum and roofing tiles.

C. Control burning.

The following rules are meant to reduce the amount of air pollution and toxic chemicals that may affect the Tetlin community. If the community decides to burn its waste, the waste must be sorted so those items in Part B above are not burned. To keep toxic chemicals from being created, burn waste in a way that does not create black smoke or smoldering. Waste should only be burned in a burn box, cage or some other type of burn container. Do not burn in the disposal area since it may smolder, create toxic chemicals, and it may cause permafrost to melt. Burn waste only when an operator is on duty. Burn only when weather conditions do not cause a wildfire hazard and wind is blowing away from the village. Start burning with dry wood, cardboard and paper to make the fire hot. Do not fill the burn container more than half full to allow airflow to burn waste without making black smoke. Dispose of ash and debris in the dumping area only after the ash has completely cooled.

IV. SITE OPERATIONS

A. Control Wastes and Access

Maintain and supervise the site to prevent dumping of prohibited wastes or make sure prohibited wastes are removed immediately. If users begin dumping prohibited wastes or do not follow rules in Tetlin's permit application or solid waste plan, Tetlin Village Council will go to their contingency plan which would require locking the gate and limiting landfill operating hours. Maintain access so that dumping and salvage areas are easy to get to and safe.

B. Water Control

Do not place wastes in surface water. Keep the site graded so that water or snowmelt drains away from the wastes. Maintain berms, ditches or other structures so that water will not pool up at the site, or cause

erosion. Remove any ponded water that is in contact with the wastes within 30 days.

C. Snow Control

Remove as much snow as possible from the dumping area before dumping waste. Remove all the snow from the dumping area before spring thaw. Move this snow to an area within the landfill boundary, but not where snowmelt will come in contact with wastes. Clean up any litter after snowmelt. Put up snow fences or berms, as needed, to control blowing snow at the site.

D. Disposal Area (also called “dumping area” in Tetlin's Solid Waste Plan)

Limit the size of the disposal area so that the uncovered waste is limited to the smallest practical area not to exceed 50 feet in width. Remove any unacceptable wastes before compacting and covering waste with soil or gravel. Use only one disposal area at a time.

E. Burying Wastes

Push all the waste into one area. Grade the waste to get rid of high steep slopes or unstable stacks of waste. Compact the wastes in a layer 2 feet deep using 3 to 5 passes of the bulldozer. Cover the waste with at least 6 inches of soil at least once a month as long as soils are not frozen.

F. Salvage Area

Maintain a separate area and rules for salvaging. Keep this area safe, clean and neat for public use. Clean up the salvage area by removing and burying unused items at least once a year.

G. Vehicles and Appliances

Remove all gas, antifreeze, oil, greases, fluids and batteries from any vehicles or other machinery before placing them in the landfill. Have a certified Freon technician drain appliances such as refrigerators and freezers before burial.

H. Reduce Flies and Animal Attraction

Promptly burn or bury food scraps, animal carcasses and fish waste. Animal carcasses and fish waste should be buried under at least 6 inches of soil within 24 hours of dumping at the landfill.

I. Litter Control

Keep trash covered when hauling to the landfill. Pick up litter along the landfill road, at the landfill and within 500 feet of the landfill boundary. Use litter control fences near the dumping area, as needed, to reduce blowing litter. Litter cleanups should be done in the spring and as often as needed to keep the site and surrounding area looking neat and clean.

J. Landfill Safety

Prohibit unsafe activities such as target practice at the site.

K. Sludge

It is understood that at least once during the term of this permit, sludge from the wastewater lagoon needs to be buried at this landfill site. The following conditions apply for sludge disposal:

- ✍ Sludge will not be accepted at the landfill until it is determined to be non-hazardous by testing it using the Toxicity Characteristic Leaching Procedure (TCLP) test (EPA Method 1311) and it

passes the Paint Filter Liquids Test (EPA Method 9095).

- ✍ A person approved by ADEC will collect sewage sludge samples and these samples will be analyzed by a laboratory or individual that has a QA/QC plan that has been approved by the Department.
- ✍ Keep a record of the results of sewage sludge analyses and send a copy to the ADEC's Solid Waste Program within 60 days after receiving the data.
- ✍ Place sewage sludge in the designated and separate disposal area. Add enough lime to the sludge **maintain a pH 12** for at least 2 hours and **cover immediately** with at least 6 inches of soil or otherwise manage to prevent health hazards and odor nuisances.
- ✍ Maintain records of the volume of sludge disposed of at the site each year and the pounds of lime used. Send a copy of these records to ADEC Solid Waste Program.

V. SUPERVISING SITE AND MAKING CORRECTIONS

- A. Make sure Council staff completes and files the Monthly Visual Checklist in Appendix C.
- B. Conduct an annual inspection of the landfill using the checklist in Appendix D.
- C. Fix all problems discovered during the inspections in A or B above. Report corrections on monthly or annual checklist.
- D. Clean up any chemical or petroleum spills that occur on the site.
- E. Put out any uncontrolled fires that occur inside the landfill.

VI. RECORDKEEPING AND REPORTING

- A. Keep a file containing
 - ✍ A current copy of Tetlin's landfill permit
 - ✍ Your current solid waste management plan,
 - ✍ Your current operations and maintenance plan and designs,
 - ✍ Any updated landfill drawings and property documents, and
 - ✍ Copies of the monthly and annual checklists.
- B. Keep records of the types and volume of wastes received at the landfill. For example, you can develop a one-page log sheet and record the following information before covering waste:
 - ✍ An estimate of volume of waste (how many feet deep, high, and long)
 - ✍ A general comment about type of waste being buried
 - ✍ The date waste was covered.
- C. Update the site plan once a year by drawing in areas that have been filled and covered, and areas that are open and active. The site plan is Figure 2 of Tetlin's solid waste plan. To make sure water drains off the site and away from waste, be sure to use the dumping areas in order (area 1, area 2, area 3, and so on with area 7 being used last). Send the site plan to DEC whenever it is updated.

- D. Report all spills of chemicals or petroleum products that occur at the landfill.
- E. Report any uncontrolled fires in the disposal area.

VII. CLOSURE

- A. Notify the ADEC Solid Waste Program at least 30 days before the landfill is permanently closed.
- B. Cover all wastes within 90 days after the last waste is put in the landfill. The final cover shall be at least 18 inches of clean soil or gravel and 6 inches of topsoil that holds enough water to grow native vegetation or grasses.
- C. Grade the final cover so that surface water can drain off the site and away from the buried waste, but not so steep that it may cause erosion.
- D. Install and maintain permanent markers that can be used to find the exact location of the landfill boundary.
- E. Plant native vegetation or grass during the first growing season after the landfill closes. Use plants recommended by the Alaska Plant Material Center (907) 745-4469.
- F. Within 90 days of completing steps A through D above, notify the ADEC Solid Waste Program in writing when the landfill closure has been completed.

VIII. POST-CLOSURE

- A. Prepare a drawing that shows the location and boundaries of all the waste disposal areas.
- B. Fill out the Notice of Closure form in Appendix E. Include the landfill drawing and a legal description that can be filed with the State Recorder's Office.
- C. File the Notice of Closure with the State Recorder's Office. Send proof of filing to the ADEC Solid Waste Program within 5 years of closing the landfill.
- D. Inspect the landfill once a year and complete the Annual Post-Closure Checklist in Appendix F. Check for signs of damage or other problems and repair during inspections. Make note of repairs in the checklist. Take pictures at the beginning and end of the five-year post-closure period.
- E. By the end of the 5-year post closure period, mail ADEC a copy of the photos and the annual checklist inspections.

APPENDIX B - GENERAL PERMIT CONDITIONS

I. ACCESS AND INSPECTION

The permittee shall allow the Commissioner or his/her representative access to the permitted facilities at reasonable times to conduct scheduled or unscheduled inspections or tests to determine compliance with this permit, State laws, and regulations.

II. INFORMATION ACCESS

Except for information relating to trade secrets, submitted under a claim of confidentiality, and for which the Department has determined in writing that protection from disclosure is appropriate, all records and reports submitted in accordance with the terms of this permit shall be available for public inspection at the State of Alaska Department of Environmental Conservation, Fairbanks Office, 610 University Avenue, Fairbanks, Alaska 99709-3643.

III. CIVIL AND CRIMINAL LIABILITY

Nothing in this permit shall relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, including, but not limited to, accidents, equipment breakdowns, or labor disputes.

IV. AVAILABILITY

The permittee shall post or maintain a copy of this permit available to the public at the disposal facility.

V. ADVERSE IMPACT

The permittee shall take all necessary means to minimize any adverse impacts to the receiving waters or lands resulting from noncompliance with any limitation specified in this permit, including any additional monitoring needed to determine the nature and impact of the noncomplying activity. The permittee shall cleanup and restore all areas adversely impacted by the noncompliance.

VI. CULTURAL OR PALEONTOLOGICAL RESOURCES

Should cultural or paleontological resources be discovered as a result of this activity, work which would disturb such resources is to be stopped, and the State Historic Preservation Office, Division of Parks and Outdoor Recreation, Department of Natural Resources, is to be notified immediately (907-269-8721).

VII. APPLICATIONS FOR RENEWAL

Applications for renewal or amendment of this permit must be made no later than 30 days before the expiration date of the permit or the planned effective date of the amendment.

VIII. OTHER LEGAL OBLIGATIONS

The requirements, duties, and obligations set forth in this permit are in addition to any requirements, duties, or obligations contained in any permit that the Alaska Department of Environmental Conservation or the U.S. Environmental Protection Agency has issued or may issue to the permittee. This permit does not relieve the permittee from the duty to obtain any and all necessary permits and to comply with the requirements contained in any such permit or with applicable state and federal laws and regulations. All activities conducted by the permittee pursuant to the terms of this permit and all plans implemented by the permittee pursuant to the terms of this permit shall comply with all applicable state and federal laws and regulations.

IX. POLLUTION PREVENTION

In order to prevent and minimize present and future pollution, when making management decisions that affect waste generation, the permittee shall consider the following order of priority options: waste source reduction; recycling of waste; waste treatment; and waste disposal.

APPENDIX C
MONTHLY VISUAL CHECKLIST
TETLIN LANDFILL
Solid Waste Permit 0233-BA003

INSPECTOR NAME:	DATE:
JOB TITLE OF PERSON CONDUCTING INSPECTION:	
EVALUATE AND CIRCLE EACH ITEM - S (for Satisfactory) or U (for Unsatisfactory) or N (for Not apply this month)	
A. LANDFILL ACCESS – Gate is locked when landfill operator is not present. Fences and gates in good repair. Signs are posted and easy to read. Roads are passable in all weather.	Evaluation: S U N Comments:
B. WATER CONTROL – No water in contact with wastes. Site is graded to prevent ponding. Any leachate is contained within landfill boundary.	Evaluation: S U N Comments:
C. SNOW CONTROL – Snow removed from disposal area.	Evaluation: S U N Comments:
D. DISPOSAL AREA – Signs posted at disposal area. Dumping area does not exceed 50 feet in width. All waste within designated dumping area.	Evaluation: S U N Comments:
E. BURNING – Burn area in good repair and ash is cleaned out. No open fires near loose trash or disposal area. Operator on duty during burning. No black smoke or smoldering.	Evaluation: S U N Comments:
F. BURYING WASTES – Waste is graded and compacted in layers no deeper than 2 feet. Waste was covered with 6 inches of soil this month.	Evaluation: S U N Comments:
G. SALVAGE AREA – Salvaging is kept separate from disposal area. Area is neat and clean.	Evaluation: S U N Comments:
H. VEHICLES AND APPLIANCES – Vehicles drained of all fluids and batteries removed. Freon removed from cooling appliances.	Evaluation: S U N Comments:
I. REDUCE FLIES AND ANIMAL ATTRACTION – Wastes are kept in containers before burial. Wastes are burned and/or buried promptly. If needed, electric fence is used and maintained.	Evaluation: S U N Comments:
J. LITTER CONTROL – Not much litter is visible. Landfill and access roads are picked up regularly.	Evaluation: S U N Comments:
K. LANDFILL SAFETY – No evidence of target practice or other unsafe activities.	Evaluation: S U N Comments:

APPENDIX C
MONTHLY VISUAL CHECKLIST
TETLIN LANDFILL
Solid Waste Permit 0233-BA003

Notes:

APPENDIX D
ANNUAL REVIEW CHECKLIST
TETLIN LANDFILL
Solid Waste Permit 0233-BA003

REVIEWER NAME:	DATE:
JOB TITLE OF REVIEWER:	
EVALUATE AND CIRCLE EACH ITEM	
A. PERMIT COMPLIANCE – Landfill is being operated according to the permit conditions.	Evaluation: Yes No Comments:
B. LANDFILL ACCESS – Gates, fences and signs in good repair. Access to landfill controlled to minimize illegal dumping.	Evaluation: Yes No Comments:
C. WASTE DISPOSAL –All waste is kept within the approved waste disposal areas. Landfill boundaries clearly marked.	Evaluation: Yes No Comments:
D. RECORD KEEPING REQUIREMENTS – Are the following documents in the landfill operating file ?	
Permit application or solid waste management plan	Evaluation: Yes No
Copy of landfill permit	Evaluation: Yes No
Monthly visual inspection records	Evaluation: Yes No
Staff training records (e.g. landfill operations, safety)	Evaluation: Yes No
Records of waste types and volume received at the landfill	Evaluation: Yes No
Map showing distance from landfill to airport, floodplain, surface waters and drinking water sources.	Evaluation: Yes No
Annually updated site drawings of the landfill design and filled areas	Evaluation: Yes No
Property documents for landfill (e.g. deed, lease, landowner permission)	Evaluation: Yes No
Notes:	

APPENDIX E**NOTICE OF CLOSURE OF A CLASS III LANDFILL
Alaska Department of Environmental Conservation**

Pursuant to 18 AAC 60.396, _____ hereby notices all
potential purchasers of this property that the property located at : [insert legal description] _____

and situated in the _____ Recording District(s) was used as a
Class III Municipal Solid Waste Landfill (MSWLF, as defined in 18 AAC 60.300 and 18 AAC
60.990. Thus, this property may not be suitable for some uses; maintenance and repairs to the property
might become necessary to prevent pollution problems at the site and any activity that results in damage
to the final cover of the property must be corrected to control potential pollution problems.

Please return the original of this Notice to the address below.

_____ Date: _____

Printed Name and Title: _____

Mailing Address: _____

See 11 AAC 05.010(a)(14) for required fee. Print or type legibly in English; if necessary, attach and
refer to attachments or exhibits (not larger than 8.5" x 14"). This form is intended to comply with the
recording requirements of AS 40.17.030 and 11 AAC 06.040.

APPENDIX F
ANNUAL POST-CLOSURE CHECKLIST
TETLIN LANDFILL
Solid Waste Permit 0233-BA003

INSPECTOR NAME:**DATE:****JOB TITLE OF INSPECTOR:**

Please attach at least four (4) color photographs of the site, each photo taken from the major compass points (north, south, east, and west) showing the entire site.

EVALUATE AND CIRCLE EACH ITEM - **S** (for Satisfactory) or **U** (for Unsatisfactory) or **N** (for Not applicable)

A. CLOSED CELLS – No signs of damage from settlement, ponding, leakage, frost action, or thawing waste. No exposed wastes.

Evaluation: **S** **U** **N**
 Comments:

B. DITCHES – In good condition. No erosion, leakage or standing water.

Evaluation: **S** **U** **N**
 Comments:

C. LITTER - Litter is not visible on the ground surface.

Evaluation: **S** **U** **N**
 Comments:

D. SITE ACCESS AND CONTROL - Human access controlled by berms, fences and/or gates. Signs identify the facility and warn the public.

Evaluation: **S** **U** **N**
 Comments:

E. WILDLIFE CONTROL - Animals not digging up waste at the site.

Evaluation: **S** **U** **N**
 Comments:

F. FINAL COVER MATERIAL - No signs of cracks, slumping or erosion. Grading allows water to run off, but not erode landfill area.

Evaluation: **S** **U** **N**
 Comments:

G. SURFACE WATER - No evidence of standing water visible. No evidence of leachate seeps such as discolored stains or foul smell.

Evaluation: **S** **U** **N**
 Comments:

H. ILLEGAL DUMPING - No dumping occurring at the site.

Evaluation: **S** **U** **N**
 Comments:

I. REVEGETATION – Grass and other plants cover landfill area.

Evaluation: **S** **U** **N**
 Comments:

Notes: